

Bachelor of Science in Construction Engineering

Recommended 4-Year Course Sequence 2024-2025 Catalog



				SUM	MER				
		Summer I					Summer II		
нсс	UT Tyler	Title	нсс	UTT	нсс	UT Tyler	Title	HEC	UT
HEM 1311		General Chemistry I (lecture)	3						
HEM 1111		General Chemistry I (lab)	1						
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			F	RESHMA	AN YEAR				
		Fall					Spring		_
нсс	UT Tyler	Title	нсс	UTT	нсс	UT Tyler	Title	HEC	UT
NGR 1201	,	Introduction to Engineering	2		ENGR 1304	ENGR 1204	Engineering Graphics I	3	
NGL 1301		College Composition I	3		MATH 2414		Calculus II	4	
1ATH 2413		Calculus I	4		ACCT 2301		Principles of Financial Accounting	3	
HEM 1412/1112		General Chemistry II (Lecture & Lab) or Calculus	4		PHYS 2325/2125		University Physics I (Lecture & Lab)	4	
r MATH 2415		III	1						
IIST 1301		United States History I	3		ENGL 2311	ENGL 1302	College Composition II	3	
			—			ENGR 1000	Thriving in Engineering		
			16					17	
			S	ОРНОМ	ORE YEAR				
		Fall			Spring				
нсс	UT Tyler	Title	HCC	UTT	HCC	UT Tyler	Title	HCC	UT
HYS 2326		University Physics II (Lecture)	3		ENGR 2332	CENG 3306	Mechanics of Materials	3	
HYS 2126		University Physics II (Lab)	1		GOVT 2305	POLS 2305	Federal Government	3	
CON 2301 (or		Principles of Macroeconomic (Principles of			65064403	6506 2240			
CON 2302)		Microeconomics)	3		GEOG 1403	GEOG 3310	Physical Geology	4	
NGR 2301		Engineering Mechanics: Statics	3			MATH 3351	Probability and Statistics for Engineers and Scientist		
NGR 2304		Programming for Engineers	3		PHIL 2306		Intro to Ethics	3	
	CENG 2336	Geomatics	—	3					
			13	3			•	13	
				JUNIOF	RYEAR				
		Fall							
HCC	LIT Today		нсс	UTT	Spring	UT Tolon	Title	нсс	UTI
псс	CONE 3301	Title Introduction to Thermo Fluid Sciences	псс	011		UT Tyler		псс	011
		filli oddetion to memo ridio sciences		1 2	SDCH 1215		Untroduction to Public Speaking	2	
	CONE 3301		+	3	SPCH 1315	CMST 1315	Introduction to Public Speaking	3	
	CMGT 3104	Graphical Tools for Design and Modeling of		1	SPCH 1315	CMST 1315 CMGT 3348	Introduction to Public Speaking Construction Safety	3	
	CMGT 3104	Graphical Tools for Design and Modeling of Infrastructure			SPCH 1315	CMGT 3348	Construction Safety	3	
	CMGT 3104 CENG 3434	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and		4	SPCH 1315	CMGT 3348 CMGT 4335	Construction Safety Construction Law and Ethics	3	
	CMGT 3104 CENG 3434 CMGT 3365	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems		4 3	SPCH 1315	CMGT 3348 CMGT 4335 CENG 3336	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design	3	
	CMGT 3104 CENG 3434	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and		4	SPCH 1315	CMGT 3348 CMGT 4335	Construction Safety Construction Law and Ethics	3	
'arious	CMGT 3104 CENG 3434 CMGT 3365	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems	3	3	SPCH 1315	CMGT 3348 CMGT 4335 CENG 3336	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design	3	
rarious	CMGT 3104 CENG 3434 CMGT 3365	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management	3 3	3	SPCH 1315	CMGT 3348 CMGT 4335 CENG 3336	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design	3	1
arious	CMGT 3104 CENG 3434 CMGT 3365	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management		3		CMGT 3348 CMGT 4335 CENG 3336	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design		1
arious	CMGT 3104 CENG 3434 CMGT 3365	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.)		3 3	R YEAR	CMGT 3348 CMGT 4335 CENG 3336	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design		
	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.)	3	4 3 3 14 SENIOF	R YEAR Spring	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis	3	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.)	НСС	4 3 3 14 SENIOR	R YEAR	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis		
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics	3	4 3 3 4 14 SENIOF	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399)	нсс	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design	НСС	4 3 3 3 14 SENIOR	R YEAR Spring	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II	3	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control	НСС	4 3 3 3 14 SENIOF	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II	нсс	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351 CONE 4325	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control Horizontal & Vertical Construction Techniques	НСС	4 3 3 3 14 SENIOR	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315 CENG 4341	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II Leadership, Professionalism, and Public Policy	нсс	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control	НСС	4 3 3 4 SENIOF UTT 4 4 3 3 3	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II	нсс	
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351 CONE 4325	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control Horizontal & Vertical Construction Techniques	НСС	4 3 3 4 SENIOR UTT 4 4 3 3 3 1 1	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315 CENG 4341	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II Leadership, Professionalism, and Public Policy	нсс	UT
HCC GOVT 2306	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351 CONE 4325	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control Horizontal & Vertical Construction Techniques	3 HCC 3	4 3 3 4 SENIOR UTT 4 4 3 3 3 1 1	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315 CENG 4341	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II Leadership, Professionalism, and Public Policy	3 HCC 3	UTI
нсс	CMGT 3104 CENG 3434 CMGT 3365 CENG 4339 UT Tyler POLS 2306 CENG 4412 CENG 4351 CONE 4325	Graphical Tools for Design and Modeling of Infrastructure Civil Engineering Materials, Codes, and Mechanical, Electrical, and Plumbing Systems Civil Engineering Construction Management Creative Arts (3 hrs.) Fall Title Introductory Texas Politics Reinforced Concrete and Steel Design Traffic Engineering: Operations and Control Horizontal & Vertical Construction Techniques	3 HCC 3	4 3 3 4 SENIOR UTT 4 4 3 3 3 1 1	R YEAR Spring HCC	CMGT 3348 CMGT 4335 CENG 3336 CENG 3325 UT Tyler CONE 43XX HIST 1303 CONE 4315 CENG 4341	Construction Safety Construction Law and Ethics Soil Mechanics and Foundation Design Structural Analysis Title Enrichment Elective (4370, 4395, or 4399) U.S. History II Senior Design II Leadership, Professionalism, and Public Policy CONE Approved Technical Electives	3 HCC 3	UTT